

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.

10/689,767

Confirmation No.:

Applicant

Mark Hamm, et al.

Filing Date

October 20, 2003

Title

An Improved Transducer/Sensor Assembly

Group Art Unit

not yet assigned

Examiner

not yet assigned

Docket No.

701470.4072

Customer No.

34313

Mail Stop Non-Fee Commissioner for Patents PO Box 1450

Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO-1449. In accordance with the USPTO waiver of the requirement under 37 CFR 1.98(a)(2)(i), only copies of foreign patent documents and non-patent literature are enclosed for the convenience of the Examiner.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR § 1.56. The submission thereof by Applicant is not to be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicant as such.

CERTIFICATE OF MAILING (37 CFR §1.8)

I hereby certify, pursuant to 37 CFR §1.8, that I have reasonable basis to expect that that this paper or fee (along with any referred to as being attached or enclosed) would be mailed or transmitted on or before the date indicated with the United States Postal Service with sufficient postage as first class mail on the date shown below in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Dated: January 20, 2003

Sally Harty

DOCSOC1:146585.1

Applicant Appl. No. Examiner Docket No. Mark Hamm, et. al 10/689,767 not yet assigned not yet assigned

INFORMATION DISCLOSURE STATEMENT FILING PROVISION:

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| | IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b), |
| that is (1) w | rithin three months of the filing date of the application, which is not a continued |
| prosecution | application filed under § 1.53(d); or (2) within three months of entry of the national |
| stage as se | t forth in 37 CFR § 1.491; or (3) before the mailing of a first Office action on the |
| merits; or (4 | 4) before the mailing of a first Office action after filing a request for continued |
| examinatio | n under § 1.114. Thus, no fee is required. |
| \boxtimes | However, if the undersigned is in error in this regard, Applicant respectfully |
| | requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if |
| | applicable, and charge the fee due under 37 CFR §1.17(p) to the deposit |
| | account referenced below. |
| | However, if the undersigned is in error in this regard, Applicant respectfully |
| | requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if |
| | applicable, and a statement under 37 CFR § 1.97(e) is included below, thus |
| | no fee is required. |
| ☐ This | IDS is being submitted under 37 CFR § 1.97(c), that is after mailing of a first Office |
| | ne merits, but before a Final Action under 37 CFR § 1.113 or a Notice of Allowance |
| | FR § 1.311. |
| | The fee due under 37 CFR § 1.17(p) is submitted herewith. |
| | A statement under 37 CFR § 1.97(e) is included below, thus no fee is |
| | required. In the event that this IDS is not received before a Final Action or a |
| | Notice of Allowance, then Applicant respectfully requests that the Office |
| | consider the filing of these papers to be submitted under 37 CFR § 1.97(d) |
| | and charge the fee due under 37 CFR § 1.17(p) to the deposit account below. |
| This | IDS is being submitted under 37 CFR § 1.97(d), that is after a Final Action under 37 |
| CFR § 1.11 | 3 or a Notice of Allowance under 37 CFR § 1.311, but before payment of the issue |
| _ | ement under 37 CFR § 1.97(e) is included below. The fee due under 37 CFR |
| | submitted herewith. |

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Applicant Appl. No. Examiner Docket No. Mark Hamm, et. al 10/689,767 not yet assigned not yet assigned

STATEMENT UNDER 37 CFR § 1.97(e):

| | Each item contained in this IDS was first | cited in any communication from a foreign |
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| paten | nt office in a counterpart foreign application | not more than three months prior to the filing o |
| this if | os. | |
| \boxtimes | No item contained in this IDS was cited in | n a communication from a foreign patent office |
| in a c | ounterpart foreign application, and, to the l | knowledge of the person signing this statement |
| after | making reasonable inquiry, no item of infor | mation contained in this IDS was known to any |
| indivi | dual designated in 37 CFR § 1.56(c) more | than three months prior to the filing of this IDS. |
| | PAYMENT AND/OR AUTHOR | IZATION TO CHARGE FEES: |
| | A check in the amount of is enclose | sed for the above fee(s). |
| | Please charge to Deposit Account | No. 15-0665 for the above fee(s). |
| \boxtimes | The Commissioner is authorized to charg | ge any fees required by the filing of these |
| paper | rs, and to credit any overpayment to Orrick | , Herrington & Sutcliffe's Deposit Account |
| No. 1 | 5-0665 | |
| | | Respectfully submitted, |
| Dated | d: January 20, 2004 | ORRICK, HERRINGTON & SUTCLIFFE LLP By: Joseph R. Liu Reg. No. 51,957 |
| 4 Par Irvine 949/5 | ICK, HERRINGTON & SUTCLIFFE LLP k Plaza, Suite 1600 , CA 92614 67-6700 Telephone 67-6710 Facsimile | |

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| Substitute for fo | orm 1449A/PTO | | | Complete if Known | | |
| JANE S | | | | Application Number | 10/689,767 | |
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| N 2 2 2004 15 | STATEMENT ! | BY APPLICAN | Τ | First Named Inventor | Mark Hamm, et al. | |
| H | | | | Art Unit | not yet assigned | |
| Sheet | (use as many she | eets as necessary) | | Examiner Name | not yet assigned | |
| Sheet | 1 | of | 2 | Attorney Docket Number | 701470.4072 | |

| | | U.S. PA | TENT DOCUMENTS | |
|--------------|-----------|--|------------------|-----------------------------|
| Examiner | | U.S. Patent Document | Publication Date | Name of Patentee or |
| Initials | Cite No.1 | Number-Kind Code ^{2 (if known)} | MM-DD-YYYY | Applicant of Cited Document |
| | 1. | 4,571,520 | 02/18/1986 | Saito et al. |
| | 2. | 4,802,487 | 02/07/1989 | Martin et al. |
| | 3. | 4,841,977 | 06/27/1989 | Griffith et al. |
| · | 4. | 4,911,170 | 03/27/1990 | Thomas, III et al. |
| | 5. | 4,917,097 | 04/17/1990 | Proudian, deceased et al. |
| | 6. | 5,002,058 | 03/26/1991 | Martinelli |
| | 7. | 5,109,861 | 05/05/1992 | Walinsky et al. |
| | 8. | 5,115,810 | 05/26/1992 | Watanabe et al. |
| | 9. | 5,240,004 | 08/31/1993 | Walinsky et al. |
| | 10. | 5,353,798 | 10/11/1994 | Sieben |
| | 11. | 5,368,035 | 11/29/1994 | Hamm et al. |
| | 12. | 5,503,154 | 04/02/1996 | Belef |
| | 13. | 5,577,506 | 11/26/1996 | Dias |
| | 14. | 5,738,100 | 04/14/1998 | Yagami et al. |
| | 15. | 5,902,245 | 05/11/1999 | Yock |
| | 16. | 5,947,905 | 09/07/1999 | Hadjicostis et al. |
| - | 17. | 6,078,831 | 06/20/2000 | Belef et al. |
| | 18. | US 6,200,269 B1 | 03/13/2001 | Lin et al. |
| | 19. | US 6,210,356 B1 | 04/03/2001 | Anderson et al. |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--|--------------------------------|--|--|--|--|
| Cite No.1 | Foreign Patent Document Country ³ Number ⁴ Kind Code ^{5 (if known)} | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Т ⁶ | | |
| | | | | | | |
| | Cite No. ¹ | Foreign Patent Document | Foreign Patent Document Publication Date | Foreign Patent Document Publication Date Name of Patentee or | | |

| | OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | | | |
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| Examiner Initials' | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² | | | |
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| Examiner | DOCSOC1:146589.1 | Date | |
|-----------|------------------|------------|--|
| Signature | | Considered | |

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| Substitute for form 1449A/PTO | Complete if Known | | |
| 9 | Application Number | 10/689,767 | |
| INFORMATION DISCLOSURE | Filing Date | October 20, 2003 | |
| AN .2 2 2004 STATEMENT BY APPLICANT | First Named Inventor | Mark Hamm, et al. | |
| l 4 | Art Unit ' | not yet assigned | |
| (use as many sheets as necessary) | Examiner Name | not yet assigned | |
| Sheet 2 of 2 | Attorney Docket Number | 701470.4072 | |

| | U.S. PATENT DOCUMENTS | | | | | |
|----------|-----------------------|--|------------------|-----------------------------|--|--|
| Examiner | | U.S. Patent Document | Publication Date | Name of Patentee or | | |
| Initials | Cite No.1 | Number-Kind Code ^{2 (if known)} | MM-DD-YYYY | Applicant of Cited Document | | |
| | 20. | US 6,261,246 B1 | 07/17/2001 | Pantages et al. | | |
| | 21. | US 6,283,920 B1 | 09/04/2001 | Eberle et al. | | |
| | 22. | US 6,457,365 B1 | 10/01/2002 | Stephens et al. | | |
| | 23. | US 6,529,760 B2 | 03/04/2003 | Pantages et al. | | |
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| | FOREIGN PATENT DOCUMENTS | | | | | |
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| Examiner Initials | Cite No.1 | Foreign Patent Document Country ³ Number ⁴ Kind Code ^{5 (if known)} | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | T ⁶ | |
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| | OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | | | | |
|--------------------|---|---|----|--|--|--|--|
| Examiner Initials' | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² | | | | |
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| Examiner | DOCSOC1:146589.1 | Date | |
| Signature | | Considered | |

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